# Cytometer Performance Report

| | | | |
|---|---|---|---|
| Cytometer: | FACSCantoII | User: | Administrator |
| Cytometer Name: | FACSCantoII | Institution: | N/A |
| Serial Number: | V33896201821 | Software: | BD FACSDiva 8.0.2 |
| Input Device: | Carousel | Date: | 03/15/2019 02:07 PM |
| Tube Loaded Manually: | Yes | Cytometer Baseline: | 01/02/2019 10:47 AM |
| Cytometer Configuration: | Euroflow 3-laser, 8-color (4-2-2) | P/F: | Pass |

## Setup Beads

| | | | |
|---|---|---|---|
| Bead Product: | CST Setup Beads | Part #: | 910859 |
| Lot ID: | 72756 | Expiration Date: | 10/31/2019 |
| Bead Lot Information: | Available | | |

## Detector Settings

| Laser | Detector | Parameter | Target Value | Actual Target Value | % Difference Target Value | Bright Bead % Robust CV | Mid Bead Median Channel | Mid Bead % Robust CV |
|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 125000 | 126046 | 0 | 1.79 | 126106 | 1.80 |
| Blue | F | SSC | 125000 | 124606 | -1 | 3.31 | 125470 | 3.32 |
| Blue | E | FITC | 16694 | 16708 | 0 | 3.56 | 388 | 22.64 |
| Blue | D | PE | 32792 | 32629 | -1 | 2.72 | 719 | 16.81 |
| Blue | B | PerCP-Cy5-5 | 44451 | 44645 | 0 | 4.50 | 1226 | 23.51 |
| Blue | A | PE-Cy7 | 33645 | 34198 | 1 | 7.26 | 620 | 49.66 |
| Red | C | APC | 47008 | 47012 | 0 | 2.96 | 1820 | 13.67 |
| Red | A | APC-Cy7 | 32298 | 32248 | -1 | 2.81 | 807 | 14.51 |
| Violet | B | V450 | 8961 | 8700 | -3 | 4.40 | 495 | 15.25 |
| Violet | A | V500 | 32726 | 31852 | -3 | 4.08 | 770 | 11.69 |

## Detector Settings (Continued)

| Laser | Detector | Parameter | Dim Bead Median Channel | Dim Bead % Robust CV | PMTV | Δ PMTV | Qr | Br | P/F |
|---|---|---|---|---|---|---|---|---|---|
| Blue | FSC | FSC | 20934 | 4.54 | 611 | -2 | N/A | N/A | Pass |
| Blue | F | SSC | 56418 | 2.66 | 583 | 15 | N/A | N/A | Pass |
| Blue | E | FITC | 65 | 74.13 | 569 | 6 | 0.0144 | 153 | Pass |
| Blue | D | PE | 143 | 58.08 | 573 | 7 | 0.1181 | 264 | Pass |
| Blue | B | PerCP-Cy5-5 | 228 | 56.80 | 678 | 7 | 0.0070 | 48 | Pass |
| Blue | A | PE-Cy7 | 118 | 126.02 | 734 | 8 | 0.0083 | 27 | Pass |
| Red | C | APC | 414 | 29.57 | 615 | 2 | 0.0183 | 147 | Pass |
| Red | A | APC-Cy7 | 198 | 32.74 | 587 | 2 | 0.0043 | 1003 | Pass |
| Violet | B | V450 | 81 | 65.23 | 483 | -3 | 0.0343 | 1961 | Pass |
| Violet | A | V500 | 111 | 41.74 | 493 | -3 | 0.0182 | 1323 | Pass |

## Specifications

| | |
|---|---|
| PMTV Delta from baseline: | 50 (BD) |
| Violet Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Blue Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |
| Red Laser Primary Channel Bright Bead %Robust CV: | 6.00 (Recommended) |

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| Input Device: | Carousel | Date: | 03/15/2019 02:07 PM |
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## Laser Settings

| Laser | Power (mW) | Power Spec. (mW) | Current (mA) | Current Guidelines (mA) | Delay (Trigger on FSC) | Delay (Trigger on Fluorescence) | Area Scaling Factor |
|---|---|---|---|---|---|---|---|
| Violet | 59.55 | 47.98 - 71.98 | N/A | N/A | -32.91 | -32.13 | 1.09 |
| Blue | 20.35 | 16.27 - 24.41 | 1.27 | 0.99 - 1.49 | 0.00 | 0.00 | 1.48 |
| Red | 16.21 | 13.60 - 20.40 | N/A | N/A | 28.97 | 29.77 | 1.22 |

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

## Threshold

Threshold (FSC): 10299

## Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments